

WE CLAIM:

1. A solid solvent cleaning composition comprising:
about 10 to about 30 wt-% solvent;
5 about 10 to about 50 wt-% solidification agent; and
about 10 to about 70 wt-% cleaning agent;
the composition being a solid at room temperature.
2. The composition of claim 1, having a form of powder, flake, granule, pellet,
10 tablet, lozenge, puck, briquette, brick, solid block, or unit dose.
3. The composition of claim 1, wherein the solvent comprises glycol ether.
4. The composition of claim 3, wherein the glycol ether comprises ethylene
15 glycol ether, diethylene glycol ether, propylene glycol ether, dipropylene glycol ether, or
mixture thereof.
5. The composition of claim 4, wherein the glycol ether comprises diethylene
glycol monomethyl ether, dipropylene glycol methyl ether, dipropylene glycol normal propyl
20 ether, or mixture thereof.
6. The composition of claim 5, comprising:
about 5 to about 10 wt-% diethylene glycol monomethyl ether;
about 5 to about 10 wt-% dipropylene glycol methyl ether; and
25 about 5 to about 10 wt-% dipropylene glycol normal propyl ether.
7. The composition of claim 1, wherein the solidification agent comprises
polyethylene glycol that is solid at room temperature, EO/PO block copolymer that is solid at
room temperature, amide that is solid at room temperature, water soluble starch that is solid
30 at room temperature, water soluble cellulose that is solid at room temperature, poly(maleic
anhydride/methyl vinyl ether), polymethacrylic acid, or mixture thereof.

8. The composition of claim 7, wherein the solidification agent comprises polyethylene glycol that is solid at room temperature.

5 9. The composition of claim 8, comprising about 15 to about 40 wt-% polyethylene glycol.

10 10. The composition of claim 8, wherein the polyethylene glycol comprises PEG 8000.

11 11. The composition of claim 10, comprising about 20 to about 35 wt-% PEG 8000.

15 12. The composition of claim 1, wherein the cleaning agent comprises surfactant, alkalinity source, sequestrant, or mixture thereof.

13. The composition of claim 12, wherein the cleaning agent comprises surfactant, alkalinity source, and sequestrant.

20 14. The composition of claim 12, wherein the surfactant comprises nonionic surfactant, anionic surfactant, or mixture thereof.

25 15. The composition of claim 14, wherein the surfactant comprises nonionic surfactant and anionic surfactant.

16. The composition of claim 14, comprising:
about 1 to about 30 wt-% nonionic surfactant;
about 1 to about 40 wt-% anionic surfactant; or
mixture thereof.

17. The composition of claim 12, wherein the alkalinity source comprises alkali metal hydroxide, alkali metal silicate, or mixture thereof.

18. The composition of claim 17, wherein the alkalinity source comprises alkali metal hydroxide and alkali metal silicate.

19. The composition of claim 17, wherein the alkalinity source comprises sodium hydroxide, sodium metasilicate, or mixture thereof.

20. The composition of claim 19, comprising:
about 0.1 to about 15 wt-% sodium hydroxide;
about 1 to about 10 wt-% sodium metasilicate; or
mixture thereof.

21. The composition of claim 12, wherein the sequestrant comprises aminocarboxylate, condensed phosphate, or mixture thereof.

22. The composition of claim 21, wherein the sequestrant comprises aminocarboxylate and condensed phosphate.

23. The composition of claim 21, comprising:
about 0.2 to about 10 wt-% aminocarboxylate;
about 5 to about 20 wt-% condensed phosphate; or
mixture thereof.

24. The composition of claim 1, comprising salt and further comprising complex of salt and cleaning agent, complex of solidification agent and salt, complex of solvent and salt, hydrates thereof, or combination thereof.

25. The composition of claim 24, comprising complex of salt and surfactant cleaning agent, or hydrate thereof.

25. The composition of claim 1, comprising solvent, solidification agent, and cleaning agent in amount effective to provide a solid cleaning composition with a melting point greater than 30 °C.

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26. The composition of claim 25, comprising solvent, solidification agent, and cleaning agent in amount effective to provide a solid cleaning composition with a melting point greater than 50 °C

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